A Bright Future for Roads and Sustainability

Emerging issues for Road Construction & Maintenance - A Futuristic View

Civil Contractors Federation

Roads to Success: Qld Conference March 2012

Key Messages

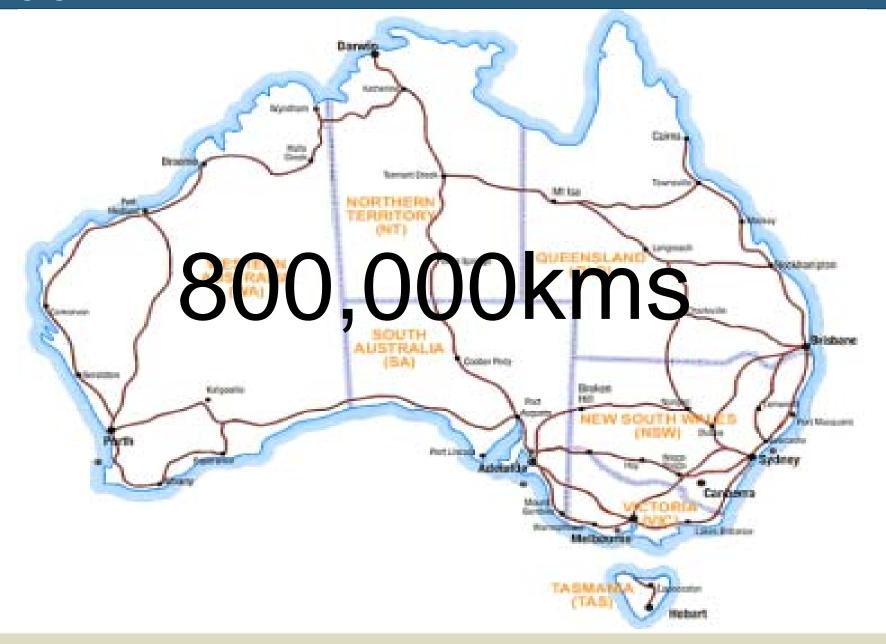
1. emerging issues for roads

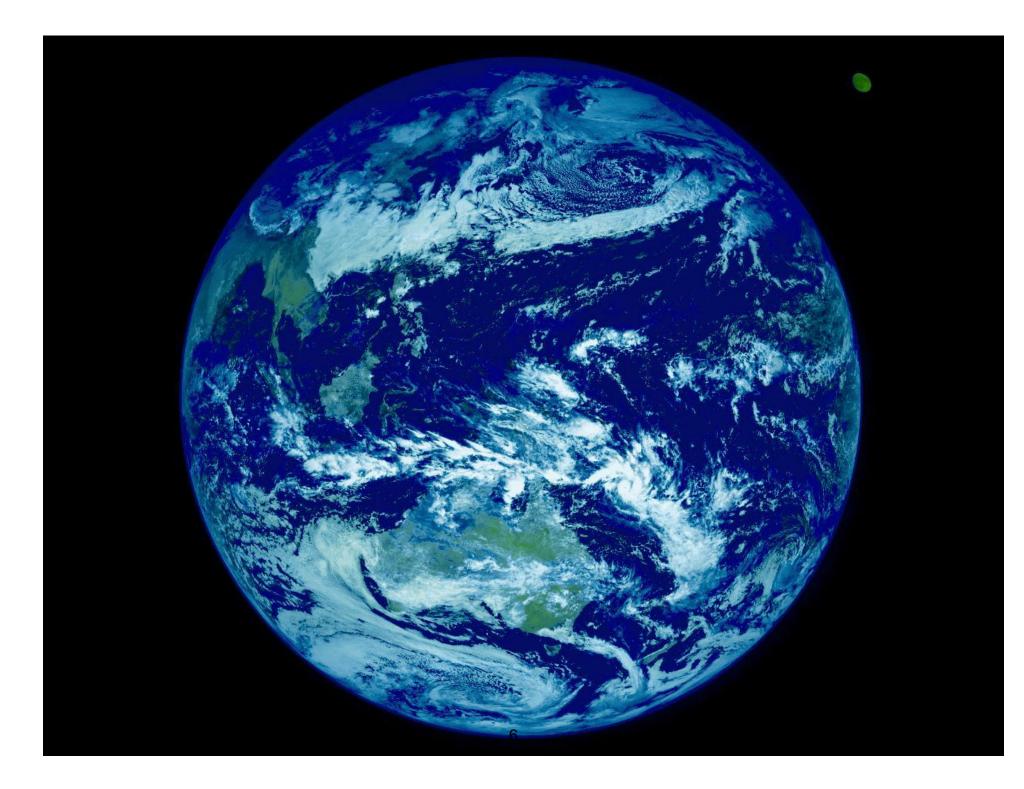
3. changes to business as usual

2. second generation of environmental reporting











Build your way out of congestion?

Civil Contractors Federation

Future Pressures – Emerging Issues

- Climate change
- Oil Price
- Community action
- Resource access and scarcity
- Population
- Road freight increase
 Extreme weather events

- Maintenance costs
- Skills shortage
- Water scarcity
- Carbon price
- Rapid urbanisation and densification

Workshop 2011 WA and QLD

Inherent Efficiency of Road Construction



Inherent Efficiency of Road Construction

- balancing earthworks
- stabilising aids to adapt local marginal material
- local environment managed and revegetated
- road water runoff capture and treatment
- optimising payement thickness for conditions and loads
- effective scheduling of associated capital expenditure and rapid delivery



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Sustainable **Built Environment National Research Centre**









Department of Public Works

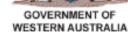
Infrastructure and Planning

Queensland Government

Queensland Government



Department of Treasury and Finance



Building Management Works Office of Strategic Projects





Transport Roads & Traffic Authority



Curtin University

The Road Ahead -The will be changes to business as usual.